

PROJECT SUMMARY

I. INTRODUCTION

An application has been submitted by Miller Holdings, LLC, for a JOINT CONSTRUCTION AND OPERATING PERMIT for a concrete recycling plant with water spray bars to be located at 7100 Route 150 in Moline. The limits of the CONSTRUCTION GRANT – OPERATE DENY permit which the Illinois EPA proposes to issue would limit particulate matter (PM) emissions from this plant to a level which would classify it as a non-major source. These limits are accompanied by recordkeeping and reporting requirements to ensure the plant is operated as non-major source. These conditions are enforceable by both the State of Illinois and USEPA.

The proposed permit would allow operation of the emission sources for up to 180 days. It contains conditions requiring that New Source Performance Standards (NSPS) opacity testing of any previously untested emission sources be performed, before an operating permit can be issued.

II. SOURCE DESCRIPTION

This plant consists of two crushers, one screen, and six conveyors. Four additional ‘transfer point’ classifications have been assigned to the operations of truck dumping to the input stockpiles, end loader dumping to the first conveyor, and truck loading of two different size grades of finished product. Water spray bars will be placed at those processing points which are expected to be most effective in reducing PM emissions.

The concrete recycling plant crushes scrap concrete material, screens it, places it on graded stockpiles, and loads it onto trucks for delivery to use sites.

III. EMISSIONS

The only air contaminants of concern for such a crushing operation are PM and PM-10. PM emissions are generated by crushing, screening, and conveying operations as well as by storage piles, and plant roads. The crushing equipment has a water spray system, which minimizes fugitive dust emissions.

The proposed permit limits the potential annual emissions of PM-10 to considerably less than the major source limit of 100 tons per year. This plant is, therefore, exempted from the requirements of the Clean Air Act Permit Program.

IV. APPLICABLE EMISSION STANDARDS

All emission sources in Illinois must comply with the Illinois Pollution Control Board emission standards. The Board’s emission standards represent the basic requirements of sources in Illinois. The Illinois EPA has made the preliminary determination, based on

the application submitted, that this facility will meet all applicable state and federal air pollution control requirements.

V. PROPOSED PERMIT

The proposed construction permit contains limitations and requirements to ensure this plant will be operated as a non-major source. The permit conditions also establish appropriate compliance procedures, including inspection practices, recordkeeping and reporting requirements, and an operating plan to control fugitive emissions. The Permittee must carry out these procedures on an on-going basis to demonstrate that the plant is operating within the limitations set by the permit and is properly controlling emissions.

VI. REQUEST FOR COMMENTS

Comments are requested on this proposed action by the Illinois EPA and the proposed conditions of the draft permit. If substantial public concern is shown in this matter, the Illinois EPA will consider holding a public hearing in accordance with 35 Ill. Adm. Code Part 166.

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